

Attachment 1. Outfall 001 Effluent Characteristics Based on Average Monthly Data

Date	Influent Flow (MGD)	Effluent Flow (MGD)	BOD ₅ (mg/l)	BOD ₅ % Removal	TSS (mg/l)	TSS % Removal	Total Phosphorus (mg/l)	Ammonia Nitrogen (mg/l)	Copper (µg/l)	Fecal coliform (cfu/100 ml)	LC50	C-NOEL 7-Day					
	Monthly average	Maximum Daily	Monthly average	Maximum daily	Monthly average	Maximum Daily	Monthly average	Monthly average	2006 Retssuance	Monthly average	Page 1 of 1	Maximum Daily					
Existing Limits	1.08 note 1	****			note 2	***	85%	note 2	***	85%	0.3 (Apr -Oct) 0.75 (Nov-Mar)	0.56 (May -Oct.) 8.5 (Nov.)	4	200	400	≥100	≥89
Proposed Limits	1.08 note 1	****			note 2	***	85%	note 2	***	85%	0.2 (Apr -Oct) 0.75 (Nov-Mar)	0.56 (May -Oct.) 8.5 (Nov.) 15.3 (Dec-Apr.)	10	200	400	≥100	>92
Sep. 2005	0.52	0.60	0.30	0.60	2.4	2.6	98.9	0.3	0.4	99.9	0.19	0.04	50	1	2	---	---
Aug. 2005	0.47	0.55	0.25	0.49	3.0	4.3	98.8	0.4	0.7	99.8	0.20	0.04	68	2	2	---	---
July 2005	0.55	0.94	0.29	1.18	2.7	3.5	98.6	0.6	1.4	99.8	0.19	0.11	69	6	105	---	---
June 2005	0.58	0.69	0.15	0.30	2.5	4.6	98.6	0.7	1.3	99.7	0.18	0.09	80	2	2	---	---
May 2005	0.77	1.09	0.35	0.56	1.3	1.8	99.0	0.2	0.3	99.9	0.17	0.12	28	0	0	>100	>100
Apr. 2005	1.12	2.51	0.62	2.85	1.3	1.6	98.7	0.2	0.3	99.8	0.17	0.15	48	---	---	---	---
Mar. 2005	0.80	2.90	0.47	1.15	1.8	4.5	97.4	0.8	2.3	98.3	0.16	0.29	130	---	---	---	---
Feb. 2005	0.70	1.27	0.53	1.04	1.4	1.6	98.9	0.2	0.3	99.9	0.13	0.05	70	---	---	>100	>100
Jan. 2005	0.96	2.54	0.75	2.35	1.3	1.4	98.8	0.3	0.4	99.8	0.14	0.06	30	---	---	---	---
Dec. 2004	0.94	1.52	0.71	1.16	1.3	1.5	98.5	0.2	0.2	99.9	0.15	0.05	35	---	---	---	---
Nov. 2004	0.61	1.18	0.41	0.86	1.7	2.1	99.0	0.3	0.4	99.9	0.17	0.04	50	---	---	>100	>100
Oct. 2004	0.68	1.06	0.47	0.95	1.7	2.0	99.0	0.2	0.4	99.9	0.17	0.04	36	1	1	---	---
Sep. 2004	0.86	1.82	0.69	1.88	1.6	1.9	98.8	0.3	0.5	99.8	0.20	0.03	37	0	0	---	---
Aug. 2004	0.69	1.34	0.46	1.37	1.3	2.0	99.3	0.3	0.3	99.9	0.22	0.04	38	5	21	>100	>100
July 2004	0.59	2.74	0.34	2.65	1.8	2.4	99.1	0.2	0.2	99.9	0.20	0.04	58	5	8	---	---

Date	Influent Flow (MGD)	Effluent Flow (MGD)	BOD ₅ (mg/l)		BOD ₅ % Removal	TSS (mg/l)		TSS % Removal	Total Phosphorus (mg/l)	Ammonia Nitrogen (mg/l)	Copper (ug/l)	Fecal coliform (cfu/100 ml)	LC50	C-NOEL 7-Day			
	Monthly average	Maximum Daily	Monthly average	Maximum daily	Monthly average	Maximum Daily	Monthly average	Maximum Daily	Monthly average	Monthly average	Face Sheet No.	MA0100196					
Existing Limits	1.08 note 1	****			note 2	***	85%	note 2	***	85%	0.3 (Apr -Oct) 0.75 (Nov-Mar)	0.56 (May -Oct.) 8.5 (Nov.)	4	200	400	≥100	≥89
Proposed Limits	1.08 note 1	****			note 2	***	85%	note 2	***	85%	0.2 (Apr -Oct) 0.75 (Nov-Mar)	0.56 (May -Oct.) 8.5 (Nov.) 15.3 (Dec-Apr.)	10	200	400	≥100	>92
June 2004	0.61	0.76	0.41	0.64	1.9	2.0	98.9	0.2	0.2	99.9	0.18	0.05	63	1	3	---	---
May 2004	0.80	1.29	0.75	1.37	2.4	2.7	95.0	0.6	0.7	99.6	0.16	0.09	46	0	0	>100	89
Apr. 2004	1.28	2.43	1.36	2.45	3.1	4.1	96.2	0.2	0.3	99.8	0.14	0.03	53	---	---	---	---
Mar. 2004	0.71	1.52	0.73	1.55	3.5	5.6	97.1	0.2	0.4	99.9	0.14	0.06	----	---	---	---	---
Feb. 2004	0.50	0.56	0.44	0.69	2.3	2.8	98.7	0.3	0.4	99.9	0.14	0.08	----	---	---	>100	>100
Jan. 2004	0.65	0.96	0.63	1.17	1.3	2.0	99.1	0.2	0.4	99.9	0.13	0.04	----	---	---	---	---
Dec. 2003	1.04	2.34	1.09	2.70	2.8	4.8	97.1	1.9	6.8	97.2	0.19	0.03	----	---	---	---	---
Nov. 2003	0.78	1.01	0.55	0.71	2.2	3.5	98.7	0.2	0.3	99.9	0.20	0.03	----	---	---	>100	>100
Oct. 2003	0.79	1.97	0.44	1.55	0.9	1.5	99.1	0.4	1.2	99.7	0.24	0.03	----	0	0	---	---
Maximum	1.28	2.90	1.36	2.85	3.5	2.8	99.3	1.9	6.8	99.9	0.24	0.29	130	6	105		
Minimum	0.47	0.55	0.15	0.30	0.9	1.4	95.0	0.2	0.2	97.2	0.13	0.03	28	0	0		
Average	0.75	1.48	0.55	1.34	2.0	2.8	98.4	0.4	0.8	99.7	0.17	0.07	55	2	12		

1. The 1.08 MGD flow limit is running annual arithmetic average

2. BOD₅ and TSS monthly average for May 1 - Oct 31 is 5.6 mg/l. BOD₅ and TSS monthly average for Nov 1 - Apr 30 is 30 mg/l.